



LONDON, 1862.

SOLE AGENTS FOR Codd's PATENT  
GLOBE STOPPERED S.W. BOTTLE.

VIENNA, 1873.

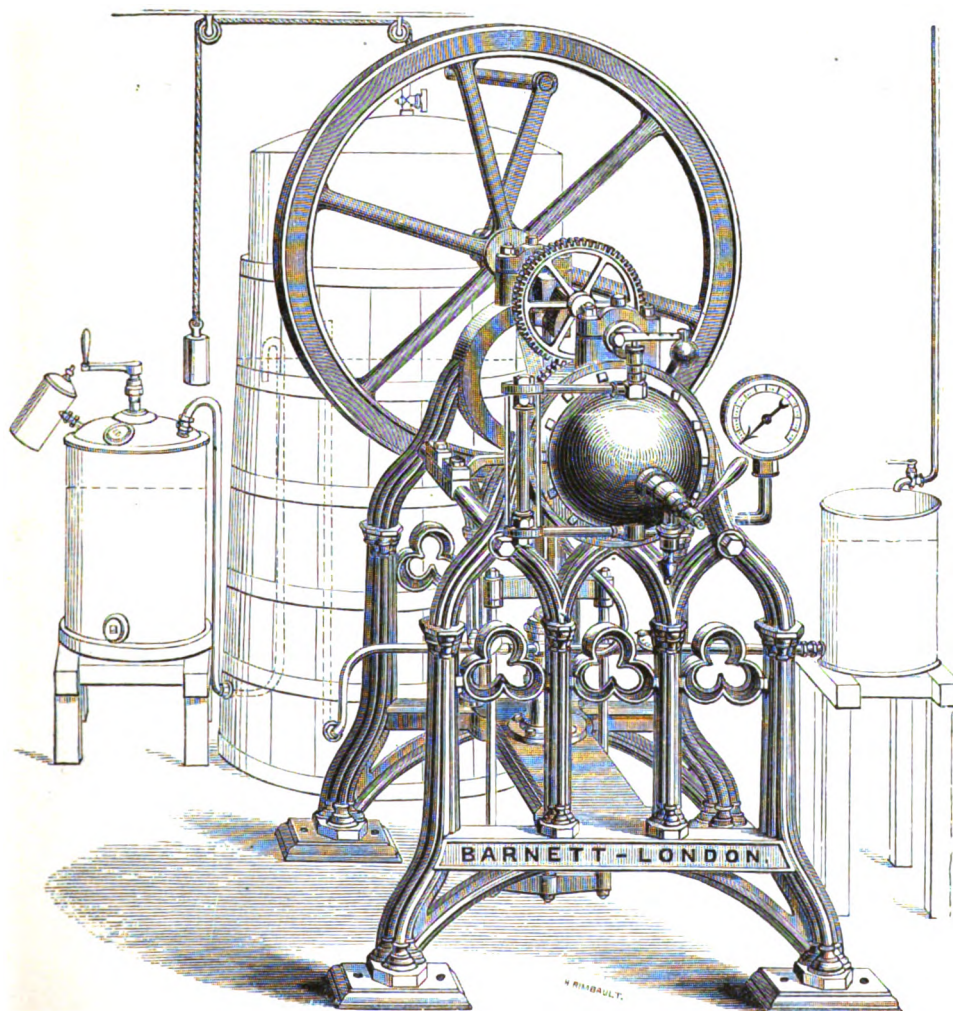


LONDON, 1873 &amp; '74.

## SODA-WATER MACHINERY.

These Machines manufacture the following and other Fancy Drinks: SODA WATER, POTASS, SELTZER, CARRARA, LITHIA, MAGNESIA, TONIC, and SEIDLITZ WATERS. LEMONADE, GINGER BEER, GINGER ALE, GINGERADE, ORANGEADE, NECTAR, CHAMPAGNE CIDER, RASPBERRYADE, &c., &c.

FIG. D.



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23, FORSTON STREET, LONDON, N.

FIG. E.

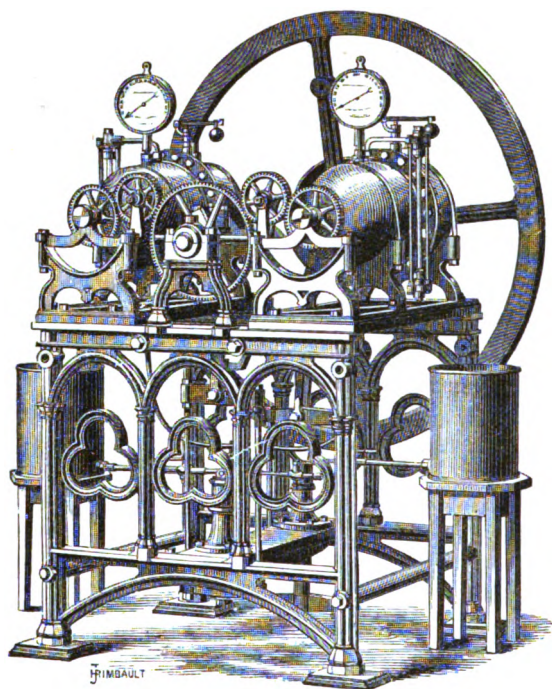


FIG. F.

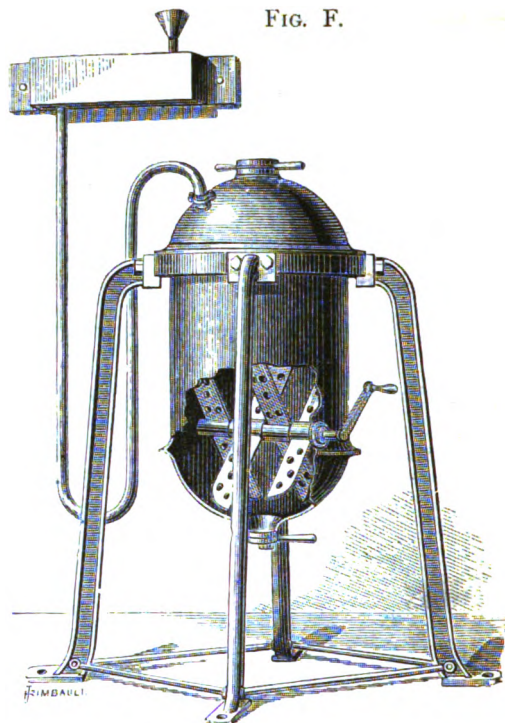
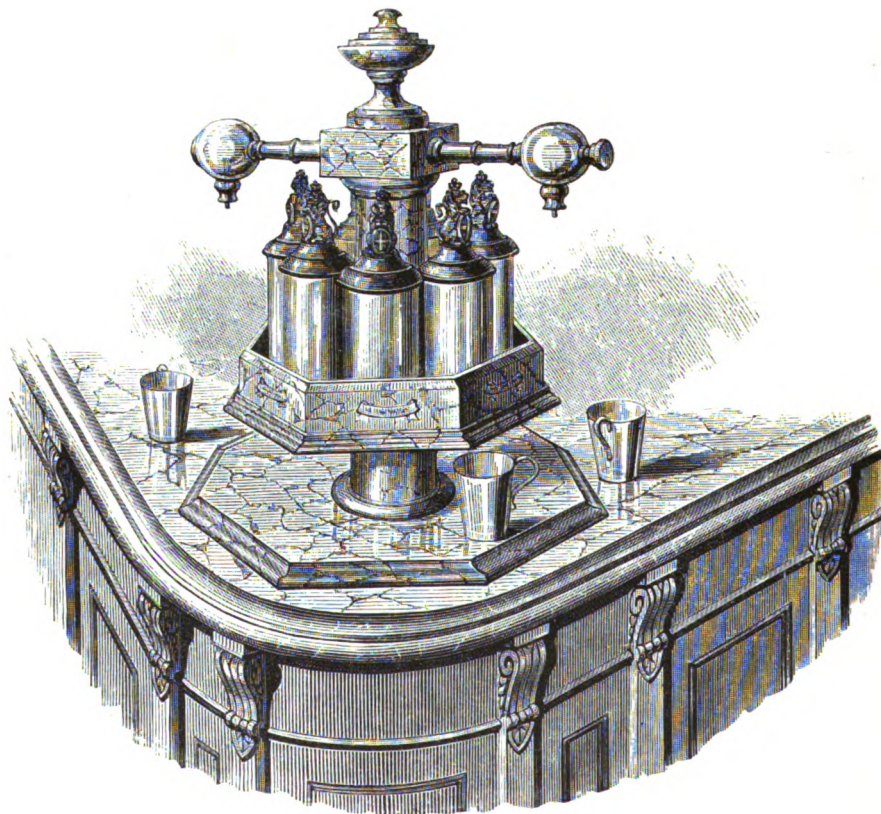


FIG. G.



BARNETT, SON, AND FOSTER,  
23, FORSTON STREET, LONDON, N.



## *Directions for Ordering a Soda-Water Machine and Accessories.*

*The following may be taken as a Guide in ordering for a complete Factory :*

### FOR A FACTORY USING CORK BOTTLES AND THE "LONDON-MADE" SYPHONS.

Direct-Action Soda-Water Machine, Fig. D.  
Say size, and if fitted with Water Gauge.

Patent Dial Pressure-Indicator.

Filling and Corking Apparatus.  
Say if fitted with Syrup Pump.

Wiring Stand.

Registered Syrup Tap.

Bottle-Washing Machine.

Syphon Filling Apparatus.

„ Syruping „

These are the same for  
any size Machine.

FOR PRICES, SEE NEXT  
PAGE.

### FOR A FACTORY USING EXCLUSIVELY CODD'S PATENT GLOBE-STOPPERED BOTTLES.

Direct-Action Soda-Water Machine.  
Say size, and if fitted with Water Gauge.

Patent Dial Pressure-Indicator.

Codd's Patent Bottles . . . . . gross.

Codd's Patent Filling Machine (if fitted with Syrup Pump).

Bottle-Washing Machine (if required).

Registered Syrup Tap (this is not required if Syrup Pump  
is ordered).

These are  
the  
same for  
any  
size Machine.

Either of the above lists comprises all that is required for Home use, but if for Abroad, it is advisable to have extra sets of leathers, and a few parts liable to wear, in duplicate, to both the Machine and Bottler, to the amount of £5 for the smallest, and rising £1 in addition for each size larger, these being so very desirable when at a distance from the manufactory.

It will be seen by looking over the prices for the above, that a small outlay will suffice to set up a complete Factory, work it at a trifling cost, and, by supplying the public with a superior article, to easily establish a very profitable trade. In any neighbourhood where there is not a Machine for a few miles round, it is the best investment known for a small outlay—bearing in mind that there is *no previous knowledge of the business required*—and will remain so for many years, as the taste for Aërated Drinks is much on the increase, and the mere cost of carriage from a distance is often more than the cost of the Drinks when made on the spot.

## BARNETT, SON, AND FOSTER,

23, FORSTON STREET, LONDON, N.

## SODA-WATER MACHINERY.

Soda-Water Machine (Fig. E), with large and Improved Gas-work (Generator, Fig. F.)

complete, to produce 12,000 to 14,000 bottles per day .. .. . £200 0 0

Ditto, ditto, to produce 9000 to 10,000 bottles per day .. .. . 180 0 0

No. 1 Machine (Fig. D) makes 350 doz. bottles of highly-charged Aërated Waters a day 70 0 0

„ 2 „ „ 250 „ „ „ „ 65 0 0

„ 3 „ „ 200 „ „ „ „ 60 0 0

„ 4 „ „ 150 „ „ „ „ 55 0 0

„ 5 „ „ 100 „ „ „ „ 50 0 0

The above Machines are all of the *same design*, the difference being *only in size*.

The Water Gauge and Dial Indicator are Extra.

We supply these to established Manufacturers, separate from Gas-work, at following Prices :

No. 1, £55; No. 2, £50; No. 3, £45; No. 4, £40; No. 5, £35.

Hotel Keepers' and Chemists' Soda-Water Machine, to produce 30 doz. a day .. .. £30 0 0

Bottling Apparatus, complete .. .. . 9 9 0

Dial Pressure-Indicator .. .. . 4 10 0

Water Gauge .. .. . 3 3 0

Bottle-Washing Apparatus, for Manual or Steam Power .. .. from £3 to 8 0 0

Brushes for ditto, 10s. to 14s. a gross.

Wiring Stand .. .. . 4 10 0

Syrup Measuring Tap .. .. . 0 16 0

The Improved Generators, as Fig. F, 26 gallons, £25; 36 gallons .. .. 30 0 0

Sulphuric Acid Tap .. .. . 2 12 6

Filters, £5, £10, and £14, to yield 4, 8, or 12 gallons a minute.

Syphon Filling Machine .. .. . 6 10 0

Quart Size "London-made" Syphons, a doz. 33s.; or 100, £15.

Pint Size „ „ „ 28s.; „ £13.

Packing Cases, containing 100 Quarts each, sizes, 3 ft. 10 in. by 2 ft. 5 in. by 2 ft. 2 in., for export.

„ „ „ Pints „ „ 3 ft. 2 in. by 2 ft. 1 in. by 1 ft. 11 in. „

Improved Horizontal and Vertical Steam Engines, Shafting, Steam Pans, &c., &c; see Catalogue, forwarded free to any part of the world.

### BARNETT, SON, AND FOSTER,

23, FORSTON STREET, LONDON, N.

## MARBLE PILLAR FOUNTAIN AND GALLERY, FOR SYRUP CANS.

(FIG. G.)

The Drawing represents a handsome Combination Fountain for dispensing Soda Water and Syrups.

In the centre of the Pillar is bored a hole, through which passes a block-tin Pipe for conveying the Soda Water from the Cylinder under the counter to the Draught Tubes. The Draught Tubes are of novel and perfect construction; cleanliness is secured, as they are composed of glass, the metal connections being thickly coated with silver. They are so made, that a small but quick draught can be drawn so as to thoroughly mix the Syrup, and after, a larger draught, or for serving plain Soda Water, as more gas is retained when drawn from a large orifice. The general construction of these Draught Taps is a great improvement over any other kind yet invented, for simplicity and expedition in operating. We supply the Improved Taps to all Fountains, whether pillar or otherwise.

On each side are arranged Syrup Cans for containing the different Syrups, in a marble gallery formed for the purpose of holding pieces of broken ice, and thus cooling the Syrups at the point of outlet; in front of each can is marked the name of the Syrup, engraved on a silvered shield: under each of these galleries the goblets should be arranged ready for receiving the Syrup from the cans, which is discharged by simply raising the lion at top; the outlet valve closes itself immediately the requisite quantity is withdrawn. Each of these Syrup Cans can easily be lifted out of the gallery for cleaning, by merely unscrewing a nut at bottom.

The convenience and value of this arrangement of the Soda-Water Fountain and Syrup Cans is hardly to be fairly estimated, except by those who have had them in use. The gallery in the pillar is so made that it turns easily round, thus any Syrup may be brought immediately in front of the operator.

Price, complete, for seven Cans, £30.

Sicilian Marble Pillar Fountains, of different designs .. ..	from £20 to	£80	0	0
Mahogany Pillar Fountains.. .. .		7	7	0
Copper Cylinders for Counter Fountains, the inside coated with tin, complete with connections at top, pipe inside to bottom, and loose trough for holding ice—				
For six gallons .. .. .		8	10	0
For eight gallons.. .. .		10	10	0
For ten gallons .. .. .		12	10	0
For twelve gallons .. .. .		15	0	0

BARNETT, SON, AND FOSTER,

23, FORSTON STREET, LONDON, N.

# CODD'S PATENT GLOBE-STOPPERED SODA-WATER BOTTLE

OBTAINED THE ONLY MEDAL AWARDED FOR BOTTLES AT THE VIENNA AND LONDON  
EXHIBITIONS, 1873.

BARNETT, SON & FOSTER.



FORSTON STREET, LONDON, N.

BARNETT, SON & FOSTER,



SOLE AGENTS FOR CODD'S PATENT  
GLOBE STOPPERED S.W. BOTTLE.



*Protected by Four Patents in the United Kingdom, and Patented in many parts of the world.*

## THE ADVANTAGES

When compared with the ordinary cork bottle, may be enumerated as follows :

1. *There is no after expense.* Once having expended, say, £100 in the Patent Bottles, all after is profit, as neither wiring, stringing, or skilled labour is required in filling, and thus the expense of corks, wires, and string is dispensed with ; while to the public, or consumer, the advantage is proportionate, as a child can open them.
2. *No corks used ; stopper is everlasting, and never requires renewal.*
3. *No wire or string required.*
4. *No skilled labour required.* A boy or girl of fifteen or sixteen can fill, after an hour's practice, many more bottles during the day than an experienced bottler can by the old system, and with much less fatigue.
5. *Very much less labour in the factory.* Tyers, wirers, and fitters are entirely dispensed with ; and the bottle having to pass through fewer hands, there is less labour required in carrying about and shifting crates, and this more so since we now dispense with the separate operation of syringing. For the same reason there is less breakage ; there is also less breakage in charging the bottles, from the simple mode of filling, and from there being no cork to force into the bottle.

SOLE AGENTS:

**BARNETT, SON, AND FOSTER,**  
23, FORSTON STREET, LONDON, N.

## SODA-WATER BOTTLE—continued.

6. In the height of the season, when there is a great demand for goods, if a spare filling machine is kept, no overtime need be worked, or extra pay given to the operators ; the extra machine can be at once put to work to meet the demand, and, as before stated, the boys or girls employed only require an hour's practice to do as much as experienced hands. Thus the employer is independent of his employés, and their irregularities can be checked, which in the busy season is a great advantage.

For export, or where it is preferred to have a large stock of Aërated Drinks always ready, these bottles are invaluable, as there are no wires to become rusty, neither does the strength evaporate by long keeping, which in lemonade and saccharine drinks is a great source of evil, the sugar and strength percolating through the cork, making it sticky, dirty, and disagreeable, besides the loss of strength if kept long. In these Patent Bottles, the greater the pressure the liquid is bottled at, the less chance is there of leakage occurring. They are also perfectly protected from the attacks of rats and other vermin on shipboard, which generally cause considerable loss by gnawing the corks and string of bottles containing lemonade and other sweet beverages.

The following Prices are for the United Kingdom, where an Annual Royalty is charged ; but as it is difficult to make arrangements for the payment of a similar rental in many Foreign Countries, two guineas extra is added to the price of the Filling Machine, one guinea on the Syrup Pump, and a higher charge is made for the Bottles :

HOME PRICES, subject to fluctuation. Bottles are Carriage Paid.

		£	s.	d.
Bottles, Soda Water .. .. .	a gross	2	2	0
„ flat bottom (Lemon) .. .. .	„	2	0	0
„ Seltzer .. .. .	„	2	1	0
„ Cylindrical, but with flat bottoms (does for any drink) .. .. .	„	2	0	0
„ extra large, or Indian size .. .. .	extra a gross	0	6	0
Filling Machine .. .. .	each	15	15	0
Patent Treadle Syrup Pump, with metal barrel .. .. .	„	6	6	0
„ „ with glass barrel .. .. .	„	7	16	0
Copper Pan, thickly lined with tin, and fitted with draw-off cock, for holding Syrup .. .. .	} „	1	5	0
Lever Openers .. .. .	a dozen	0	18	0
Button Openers .. .. .	a gross	0	12	6

Where *Names* are required on the Bottles, the moulds are in all cases charged £2 10s. each ; the Engraving of Name, 4d. each letter ; Trade Mark, or any device, according to amount of work, averaging from 2s. to 20s.

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BARNETT, SON, AND FOSTER,

23, FORSTON STREET, LONDON, N.

2 E

# DIVING APPARATUS.

CONTAINING EVERY RECENT IMPROVEMENT.

AS SUPPLIED TO THE ROYAL NAVY AND THE VARIOUS MARITIME POWERS.

BARNETT, SON & FOSTER,



FORSTON STREET, LONDON, N.



BARNETT, SON & FOSTER,



FORSTON STREET, LONDON, N.

## APPARATUS FOR USE IN GREAT DEPTHS.

These Machines can be worked by any labouring man after once reading the Book of Directions sent with the Apparatus.

A Treble-Barrel Atmospheric Air Engine, with large size gun-metal barrels, 2 fly wheels and handles, forged iron crank, condensing chamber, copper cooling cistern, dial indicator, six wrenches fitted to all the parts: the whole mounted in Mahogany Chest, with protecting ends for security and ease in removal.

A Till fixed in the above, containing 3 extra plain gun-metal joints for mending tube, 1 extra union same as on tube, 2 extra crank-end nuts, 4 extra helmet nuts, 3 extra sets of bucket leathers, extra valve springs, washers, spanners, screw-driver, oil can, and a double circle steel washer-punch, &c.

A round Wicker Box, containing the tinned copper helmet, with segment screw-joint, as described; 2 lead weights, with gun-metal mountings; helmet cushion; and 100 feet of vulcanized indiarubber tube, with gun-metal unions on, in leather caps.

A Seaman's Chest, of Mahogany, dovetailed together and fitted with patent hinges and lock, and containing—

- 2 Waterproof tanned twill Diving Dresses, with vulcanized collars and cuffs.
- 1 pair strong Leather Boots, with Lead or Iron Soles.
- 4 pairs of thick Worsted Stockings.
- 2 pairs of ditto, larger size.
- 4 pairs of thick Woollen Drawers.
- 6 White Guernsey Frocks.
- 1 Suit of Stout Canvas, for wearing over Diving Dress, for preserving same, consisting of Trousers and Jacket.
- 2 thick Neckkerchiefs.

- 2 Red Woollen Caps.
- 12 Wrist Rings.
- 1 pair of Wristbands.
- 30 fathoms of Signal Line.
- 30 fathoms of Ladder Line.
- 1 can of Indiarubber Solution, for repairing dress and tube.
- 1 yard of Prepared Canvas, for repairing dress and tube.
- 1 Diver's Knife in Sheath.
- 1 Shot Belt, for weighting Diver.

THE WHOLE OF THE ABOVE COMPLETE, £140.

Packing above for export, in extra strong cases, iron bound, £3.

Sizes and weights as under :

	Size.	cwt.	qrs.	lb.
Containing Air Engine, &c. . . . .	3 ft. 6 in. by 2 ft. 9 in. by 2 ft. 3 in.	4	3	12
„ Dresses, &c. . . . .	2 „ 7 „ 1 „ 8 „ 1 „ 5 „	1	0	0
„ Helmet, Tube, &c. . . . .	3 „ 4 „ 3 „ 4 „ 2 „ 9 „	5	3	4
Total cube. . . . .	58 ft. 4 in.	Total weight. . . . . 11 cwt. 2 qrs. 16 lb.		

BARNETT, SON, AND FOSTER,

23, FORSTON STREET, LONDON, N.



# DIVING APPARATUS,

FOR USE IN SHALLOW DEPTHS TO NINETY FEET.

A Single-Barrelled Atmospheric Air Engine (double action) with large size gun-metal barrel ; two fly wheels and handles ; forged iron crank ; copper condensing chamber ; copper cooling cistern ; dial indicator ; spanners for all parts ; the whole mounted in Mahogany Chest, with protecting ends, for security and ease in removal.

A Till fixed in the above, containing a few useful and duplicate parts, viz. one extra gun-metal joint for mending tube, two extra helmet nuts, extra valve springs, washers, screw-driver, oil can, &c.

A round Wicker Box, containing helmet, with two lead weights and mountings, as described ; helmet cushion, fifty feet of vulcanized indiarubber tube, with gun-metal union and ends, and protected in leather caps.

A Seaman's Chest, of Mahogany, dovetailed together, fitted with patent lock, containing :

One best tanned twill Diving Dress, with all improvements, fitted with collar and cuffs of vulcanized india-rubber.

One pair thick Leather Boots, mounted with Lead or Iron Soles, and fitted with straps and brass buckles.

Two pairs thick Worsted Stockings.

One pair ditto, larger size.

Two pairs thick Worsted Drawers.

Two pairs white thick Worsted Frocks.

One suit of stout Canvas Overalls, for wearing over Diving Dress.

One Scarf or Neckchief.

One Woollen Cap.

Four Wrist Rings.

Fifteen fathoms of Signal Line.

Fifteen fathoms of Ladder Line.

One can of Indiarubber Solution for repairing dress and tube.

One square yard of Prepared Canvas for repairing dress and tube.

One large Clasp Knife and Sling.

One Shot Belt, for weighting Diver.

THE WHOLE OF THE ABOVE COMPLETE, £95.

Packing above for export in extra strong cases, iron bound, £2 10s.

## OBSERVE.

The Apparatuses, as enumerated, are perfect in themselves, and contain every necessary requisite ; but as extra lengths of tube for greater depth are sometimes required, with such parts as are liable to wear out or get lost, we subjoin a list of those articles that may be ordered as extras, viz. :

HELMET, complete, made of stout copper, tinned and well planished, fitted with three eyes, fitted with glass made to open ; segment screw at collar, to disconnect head-piece by one-eighth of a turn ; shoulder-piece, fitted with quadrant-pieces for gripping collar of dress, fitted with screws and fly nuts ; two weights for back and front, with copper rings and shackles for attaching to helmet ; all necessary valves and connections required to make helmet complete .. .. .	each	£21 10 0
Helmet Shoulder-piece, with Quadrant-piece, Fly Nuts, Screws, &c., complete .. .. .	"	8 0 0
Helmet Glass, thick, ready for fixing in frames of helmet .. .. .	"	0 6 0
Helmet Eye Rings (vulcanized) .. .. .	"	0 1 0
Helmet Fly Nuts and Male Screws .. .. .	"	0 3 6
Helmet Cushion (stuffed with horsehair) .. .. .	"	0 7 6
Vulcanized Tubing (in 50-ft. lengths) .. .. .	per foot	0 2 0
Vulcanized Tubing (in 50-ft. lengths), floating .. .. .	"	0 2 9
Gun-Metal Union Joints, for connecting tube .. .. .	each	0 6 6
Plain Metal Joints, for mending tube .. .. .	"	0 2 0
Waterproof Double-tanned Twill Diving Dress .. .. .	"	5 10 0
Ditto, ditto, with improvement for Diver to urinate .. .. .	"	6 0 0
Prepared Canvas for repairing dresses .. .. .	per yard	0 8 0
Cans of Solution for repairing dresses .. .. .	each	0 3 6
Vulcanized Cuffs for dress .. .. .	per pair	0 10 0
Vulcanized Collars for dress .. .. .	each	1 0 0
Wrist Rings .. .. .	per doz.	0 4 0
Wristbands .. .. .	per pair	0 4 0
Boots, with Lead or Iron Soles .. .. .	"	2 0 0
Thirty fathoms of Ladder Line .. .. .	each	0 7 6
Thirty fathoms of Life Line .. .. .	"	0 17 6
Shot Belt (for weighting Diver) .. .. .	"	0 4 6
Large Dagger Knife, in Copper Sheath .. .. .	"	0 15 0
Gun-Metal Crank End Nuts .. .. .	"	0 3 0
Bucket Leathers .. .. .	per set of 3	0 7 6
Double Circular Steel Punch, for making leather washers .. .. .	each	0 7 6
Yarn Hose (Worsted Stockings) .. .. .	per pair	0 6 0
Outside Hose (larger ditto) .. .. .	"	0 7 6
Flannel Drawers .. .. .	"	0 7 6
White Guernsey Frocks .. .. .	each	0 13 0
Navy Duck Overall, of stout canvas, for wearing over Diving Dress .. .. .	"	0 10 0
Overall Jackets, of stout canvas, for wearing over Diving Dress .. .. .	"	0 10 0
Neckchief .. .. .	"	0 3 0
Flannel Caps .. .. .	"	0 2 6

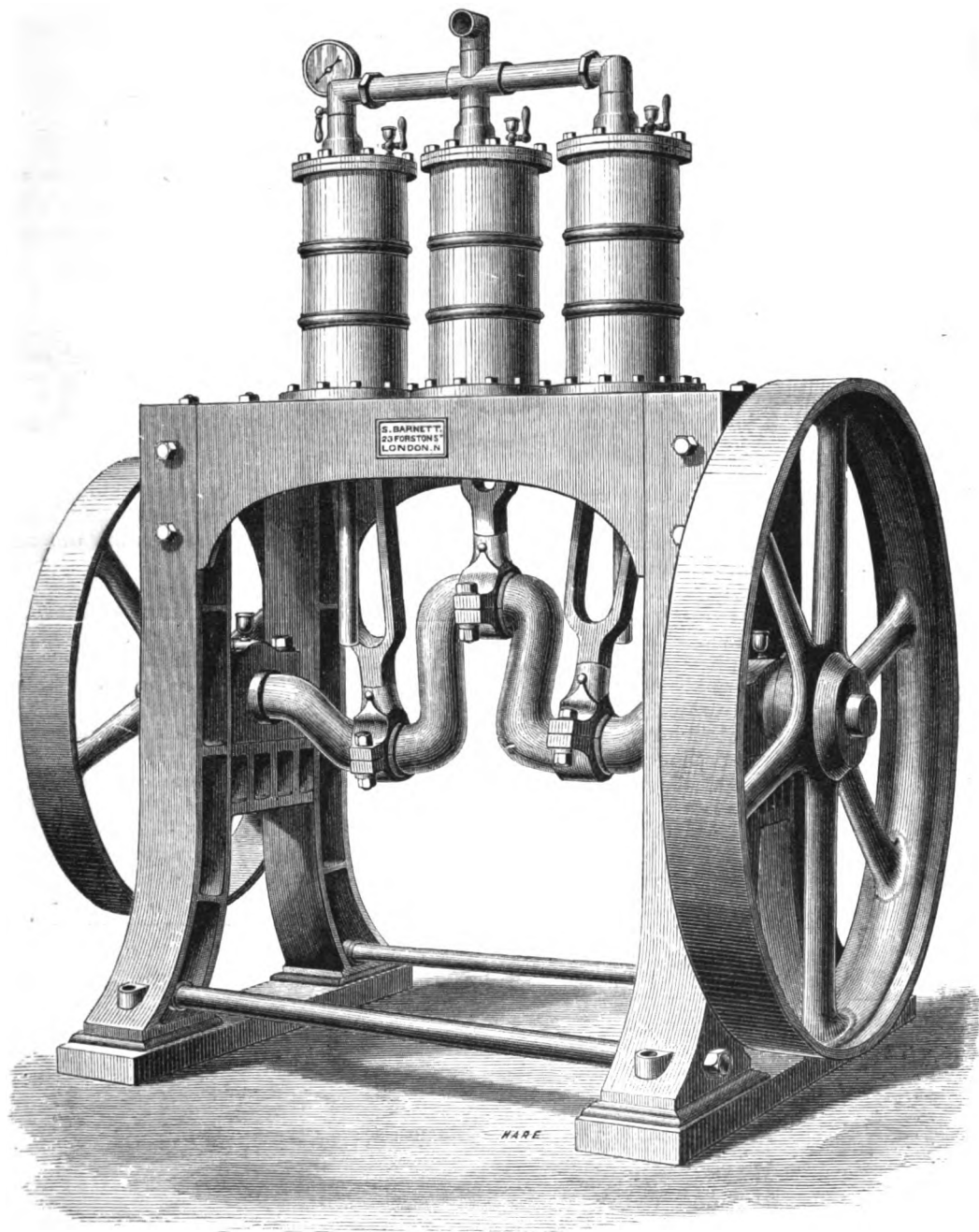
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23, FORSTON STREET, LONDON, N.



## POWERFUL TREBLE-BARRELLED AIR PUMP,

FOR USE WHEN LARGE VOLUME AND POWER ARE REQUIRED.



BARNETT, SON, AND FOSTER,

23, FORSTON STREET, LONDON, N.